

WELCOME



Proposed Airborne Toxic Control Measure to Limit On-Road Heavy-Duty Diesel Idling

Public Workshop
January 29, 2004

Air Resources Board



California Environmental Protection Agency

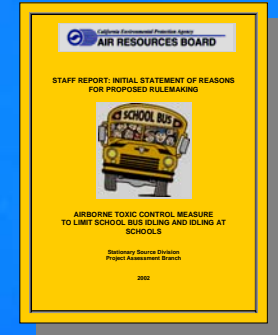
Purpose

- Continuation of the public process
- Summary of gathered information
- Possible Airborne Toxic Control Measure considerations
- Hear your thoughts & suggestions



Background

Existing Regulations / Ordinances



Out- Of-State:

- Eight states have state-wide idle limiting regulations
- Twelve states have local restrictions
- Majority have idling limit of 5 minutes or less

Background

Existing Regulations / Ordinances Cont'd

California:

School Bus Idling ATCM:

- limits to 5 or less minutes idling



Placer County Ordinance:

- limits to 5 minutes idling per location
- applies to diesel-powered trucks > 26,000 GVWR
- applies to off-road diesel powered equipment > 70 hp

Idling at Ports (AB2650):

- limits idling at ports - including time spent in queue

Inventory

Current EMFAC Inventory (Diesel-Powered)		
Category	GVWR	Population
MHDD	14,000 -33,000	149,452
HHDD*	> 33,000	170,513
Urban Bus		15,143
Motor Home		11,114
	Total:	346,222
* Including out of state trucks (25% of HHDD - EMFAC)		

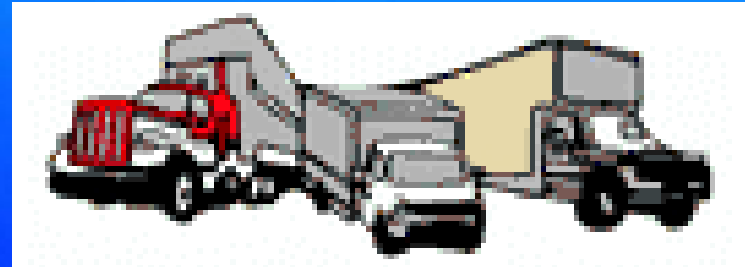
Inventory

-2003 Emissions-

Preliminary Estimate

	PM T/Y	PM T/D	NOx T/Y	NOx T/D
Non Sleepers	156	0.43	4,899	13.42
Sleepers	236	0.66	9,765	26.75
Total	392	1.09	14,664	40.18

Applicability



- All on-road diesel-powered vehicles operating in California with GVWR > 14,000 lbs.
- Will apply to out-of state and out-of-country vehicles when operating in California

Proposal

General Idling Limit

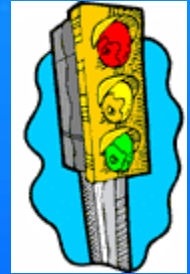
- **Vehicle must not idle longer than 5 minutes per location per event**
- **Targets unnecessary idling**



Proposal Cont'd

Exemptions

- When stopped for traffic conditions over which the driver has no control
- Testing, servicing, repairing or diagnostic purposes that requires engine idling
- Necessary to prevent a safety or health emergency
- Idling is necessary to accomplish work for which the vehicle was designed



Proposal Cont'd

Proposed Sleeper Idling Limit:

- Options include
 - 5 minute limit
 - Retrofit with idle reduction strategy
 - Incentive based program to promote retrofits
 - Implementation date
- Staff is investigating the use of alternative technologies/strategies to provide power for cab/sleeper comfort/other ancillaries. These may include:



Alternative Technologies Examples:

- **Truck Stop Electrification (TSE or Shore power)**
- **Advanced Truck Stop Electrification**
- **Auxiliary Power Units (APUs)**
- **Fuel Fired Heaters**



Benefits

- Fuel savings
- Less engine wear & tear
- Reduced maintenance
- Reduced exposure to exhaust emissions
- Potentially increased resale value of truck
- Less engine noise and vibration during rest period



Enforcement / Outreach

- **Primary enforcement responsibility will be with ARB and peace officers**
- **Outreach:**
 - Possible signage at truck stops, commercial fueling stations and border crossings
 - Possible addition to commercial vehicle driving test, informational notices with yearly registration or signage at DMV
 - Outreach via professional organizations.

Thank You For Participating!

Future Public Workshops:

- February 2004, TBD
- March 2004, Sacramento
- **Board Meeting: May 20-21, 2004**
- **Please Visit Our Website:**
 - Join our listserve for email updates
 - Contact information
 - Future outreach efforts / updates



<http://www.arb.ca.gov/toxics/idling/idling.htm>